

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 63-309493

(43)Date of publication of application : 16.12.1988

(51)Int.Cl.

B41M 5/26

(21)Application number : 62-146380

(71)Applicant : CANON INC

(22)Date of filing : 12.06.1987

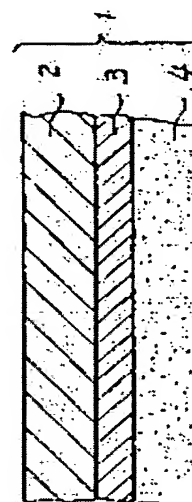
(72)Inventor : KATAYAMA MASATO  
SATO HIROSHI  
TAKIZAWA YOSHIHISA  
ASAOKA MASANOBU  
FUKUDA TSUGIHIRO

## (54) THERMAL TRANSFER MATERIAL

## (57)Abstract:

PURPOSE: To obtain a thermal transfer material capable of giving a print free of voids in transferred images even on a recording paper low in smoothness and able to be clearly released by a correction sheet, by providing an intermediate layer and a transfer layer on a base, and incorporating an ionomer resin in the transfer layer.

CONSTITUTION: At least an intermediate layer 3 and a transfer layer 4 are provided on a base 2, in that order from the base side, and an ionomer resin is incorporated in the transfer layer. The intermediate layer 3, which ensures easy release of the transfer layer 4 from the base 2 when being heated, is favorably formed from, for example, polyethylene oxide. The ionomer resin incorporated in the transfer layer 4 is obtained by neutralizing a copolymer comprising an  $\alpha$ -olefin and an  $\alpha, \beta$ -unsaturated carboxylic acid by alkali metal or alkaline earth metal ions. With the ionomer resin incorporated, the melt viscosity upon heating is high, and the transfer layer is so transferred as to bridge the gaps between projected parts of the surface of a recording paper having a low surface smoothness, resulting in a print free of voids in transferred images. In addition, since the transfer layer does not penetrate deep between fibers of the paper, the print on the paper can be clearly released by a correction sheet.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the  
examiner's decision of rejection or application converted  
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of  
rejection][Date of requesting appeal against examiner's decision of  
rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office